

FIGURE 1

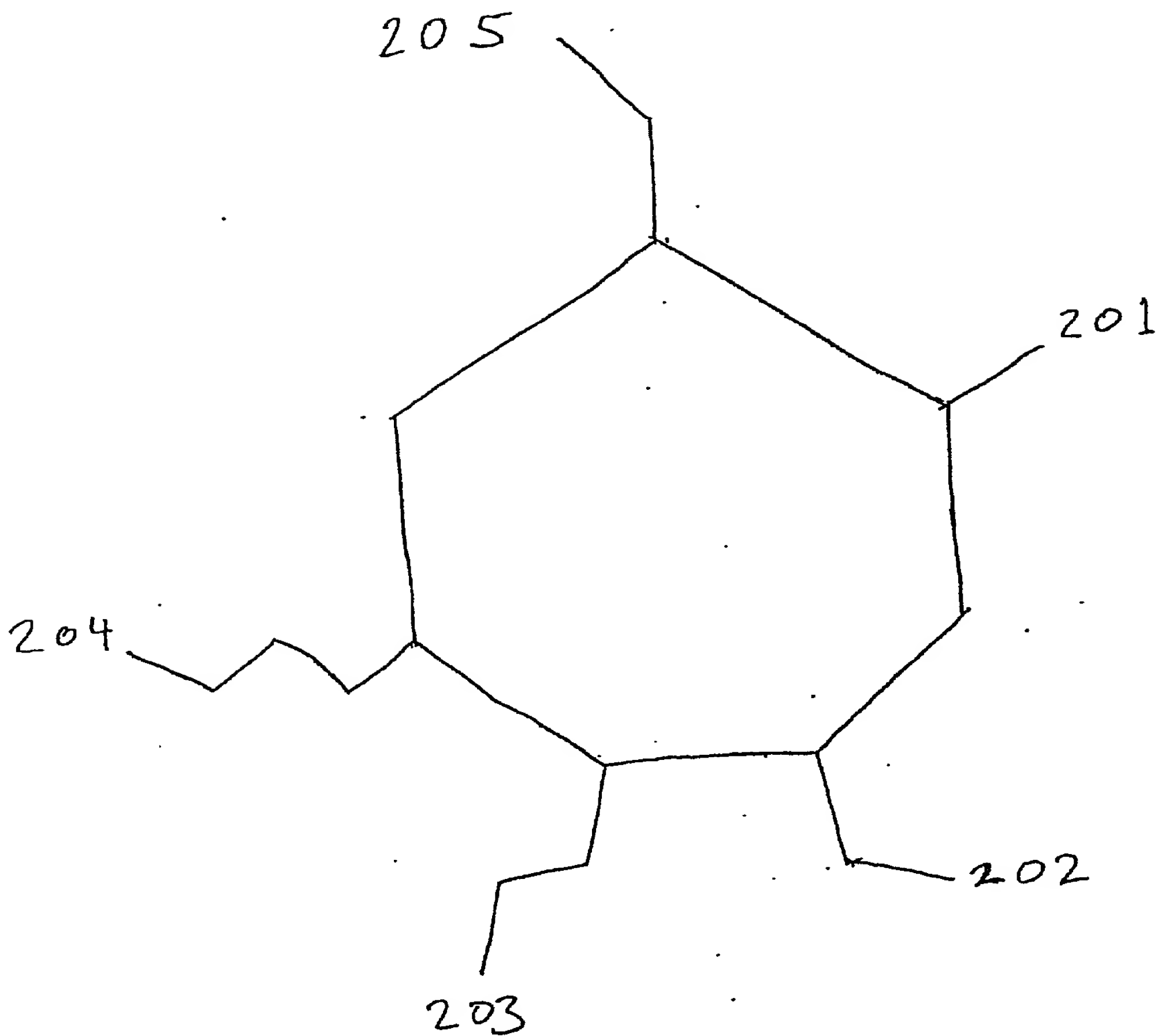


Figure 2

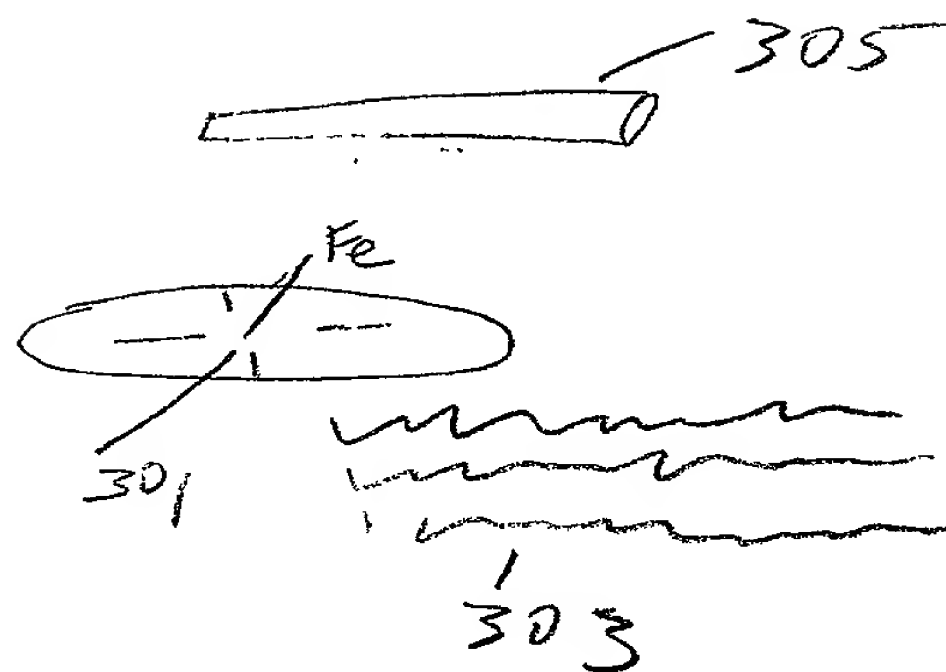


FIGURE 3A

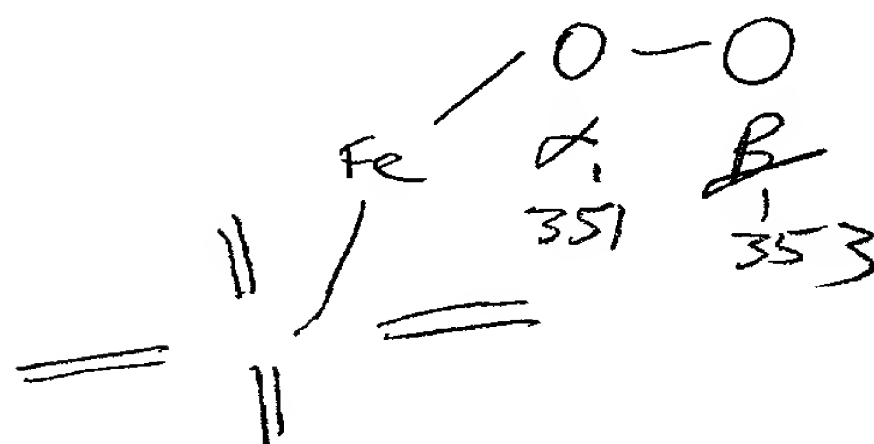


FIGURE 3B

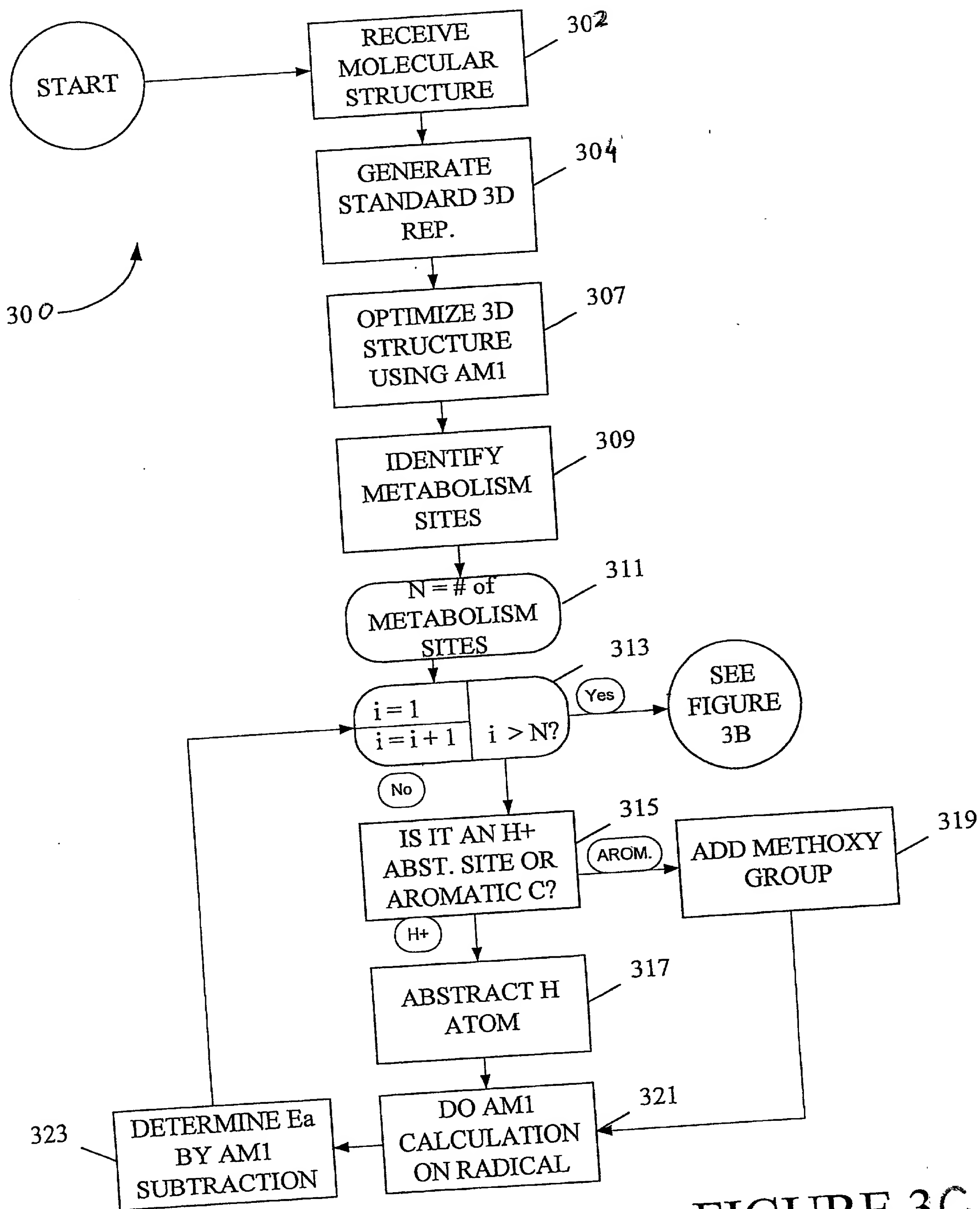


FIGURE 3C

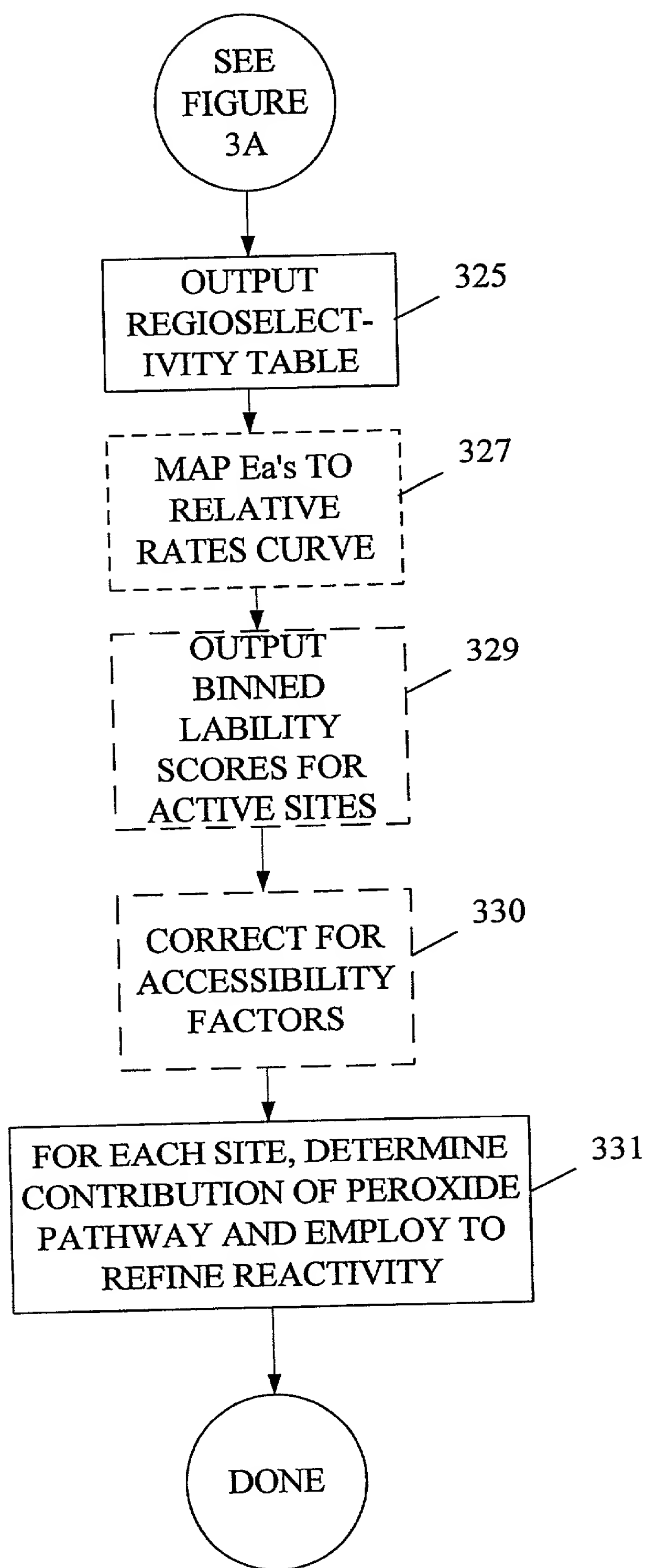


FIGURE 3D

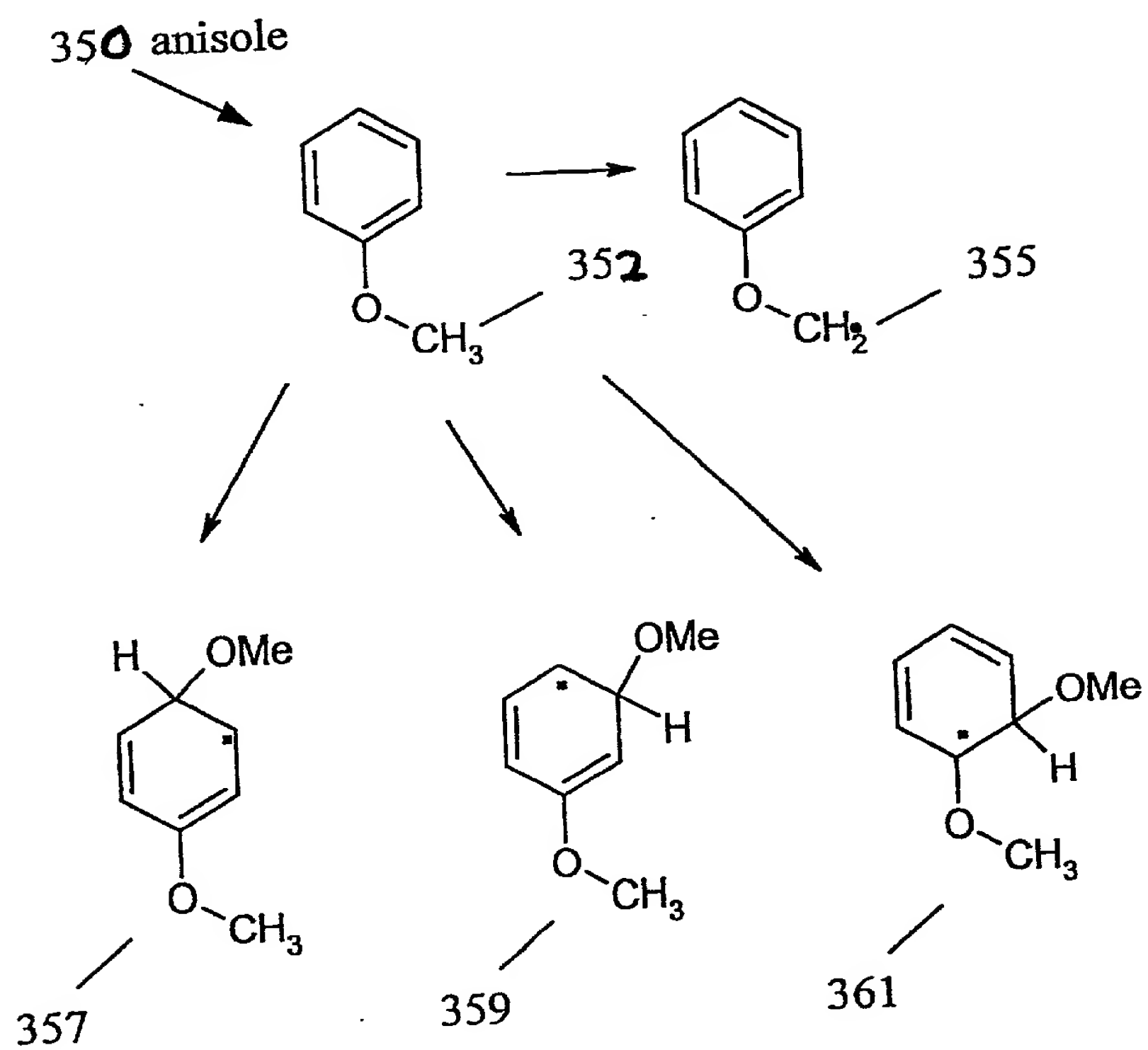


FIGURE 3E

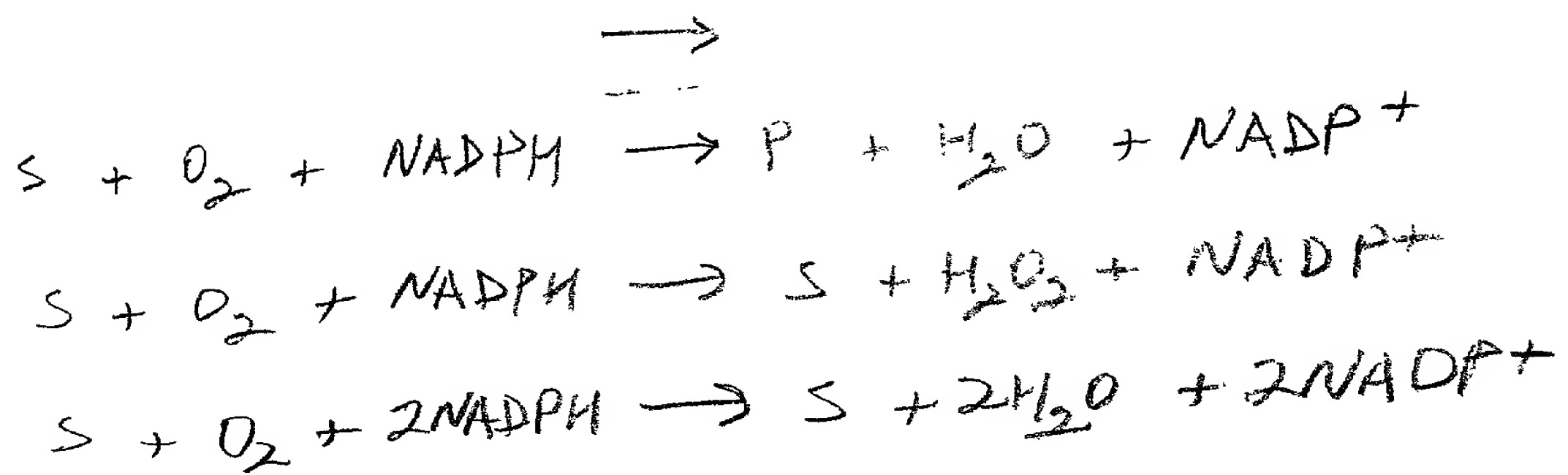


FIG. 4A

| | O_2 | NADPH | H_2O_2 |
|---------------------|-------|-------|----------|
| product formation | 1 | 1 | 0 |
| peroxide decoupling | 1 | 1 | 1 |
| water decoupling | 1 | 2 | 0 |

FIG. 4B

[NADPH]

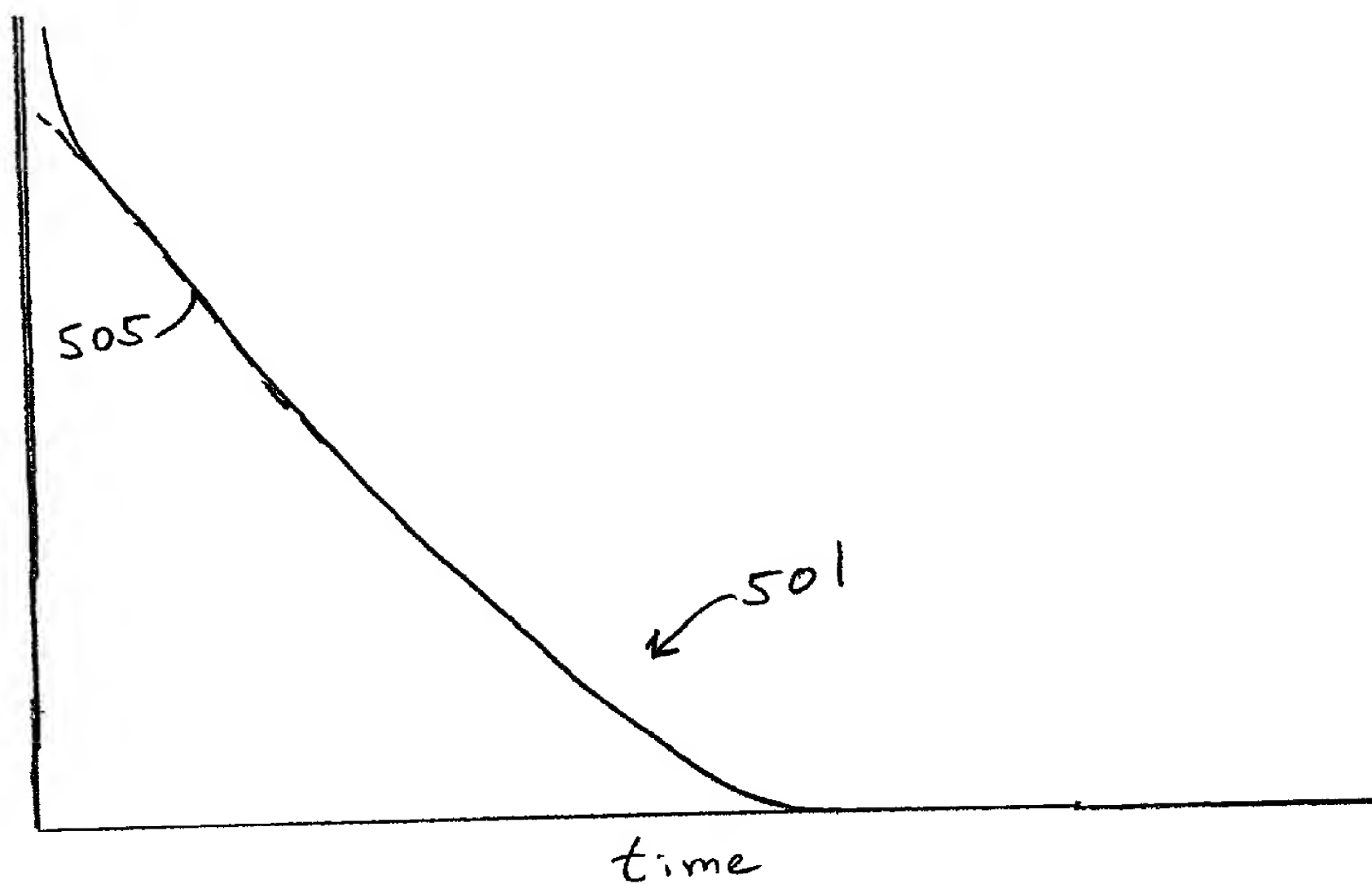


Figure 5A

[O₂]

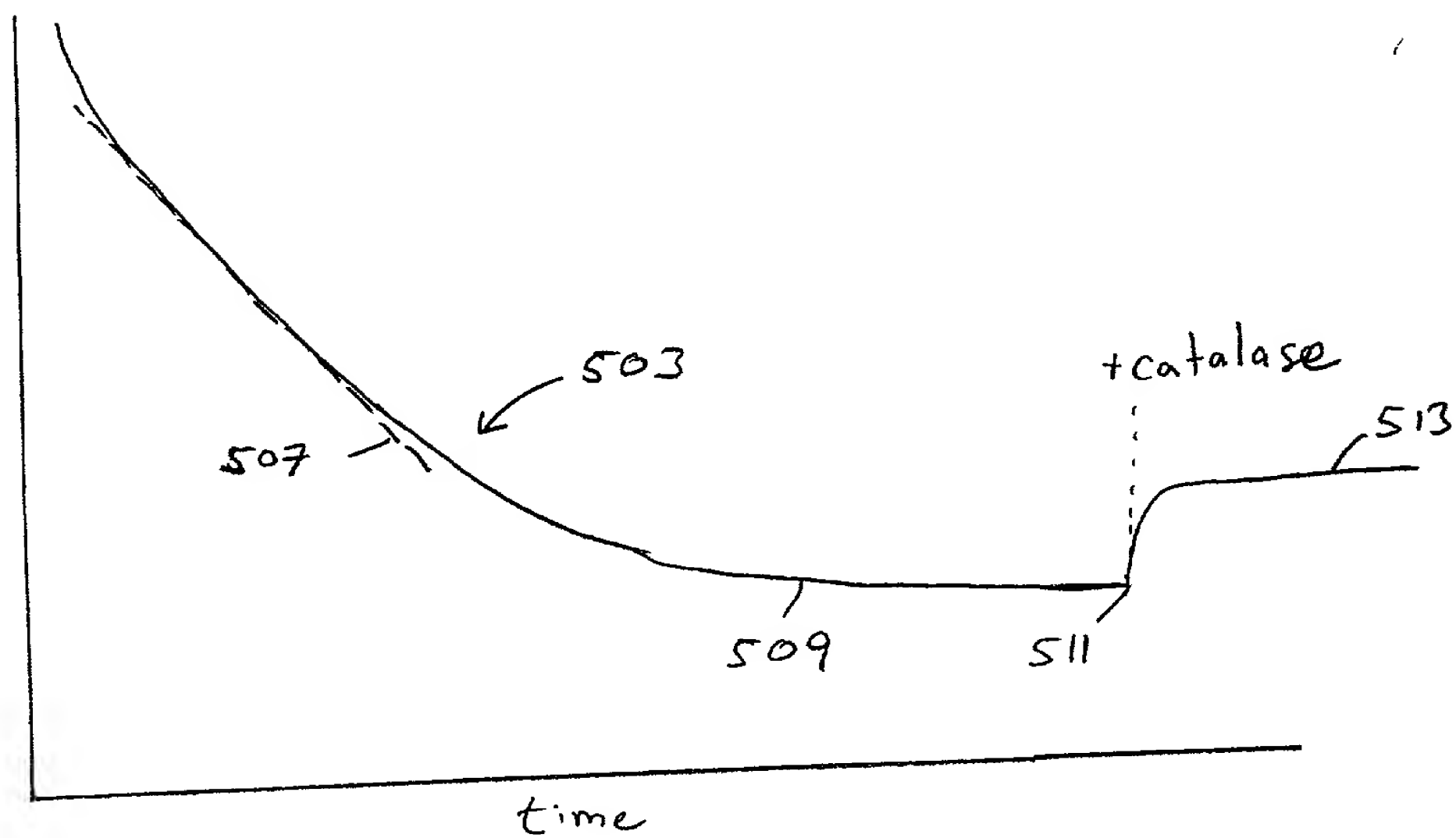


Figure 5B

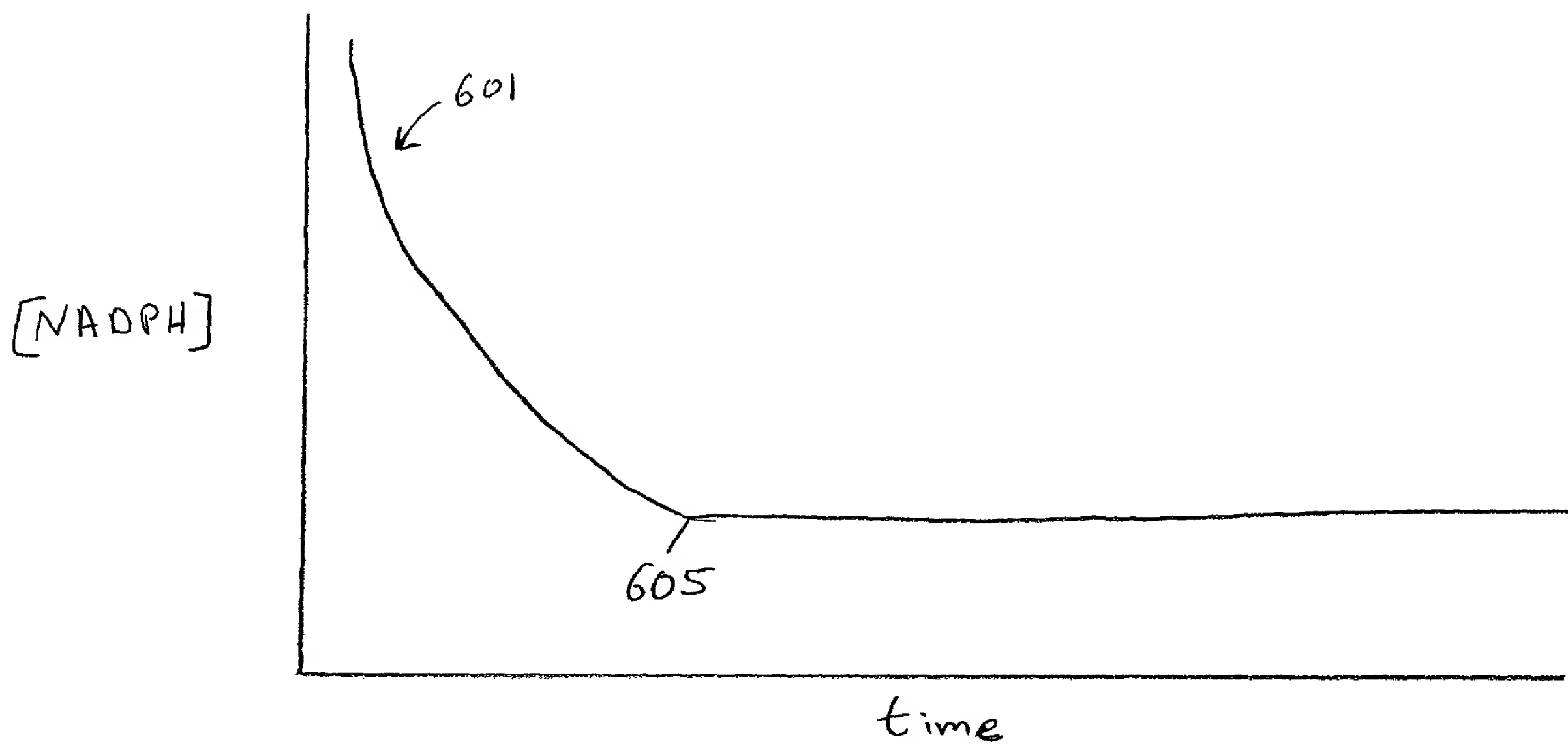


Figure 6A

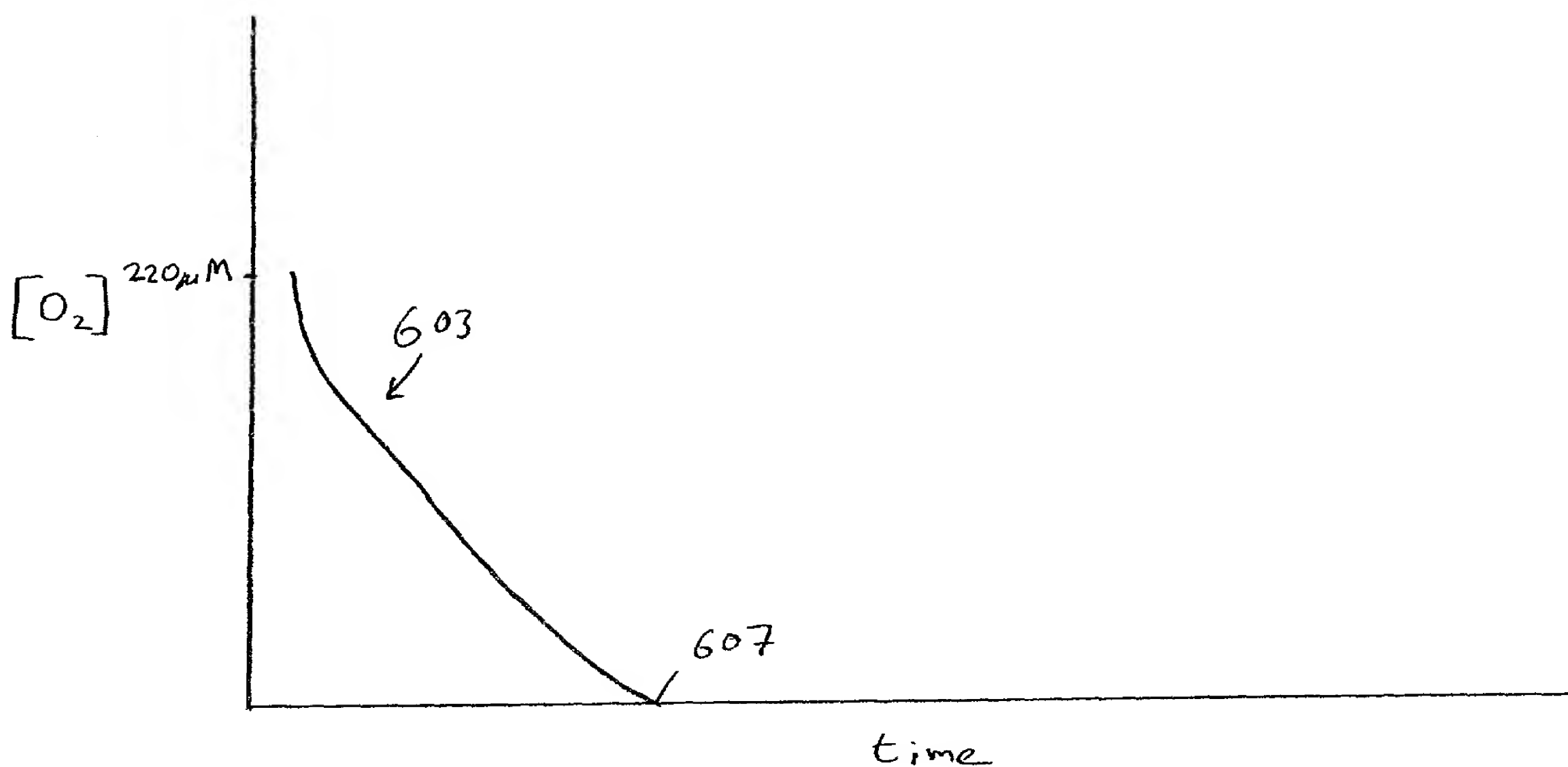


Figure 6B

[NADPH]

609

613

time

Figure 6C

220 μ M

611

[O₂]

615

time

Figure 6D

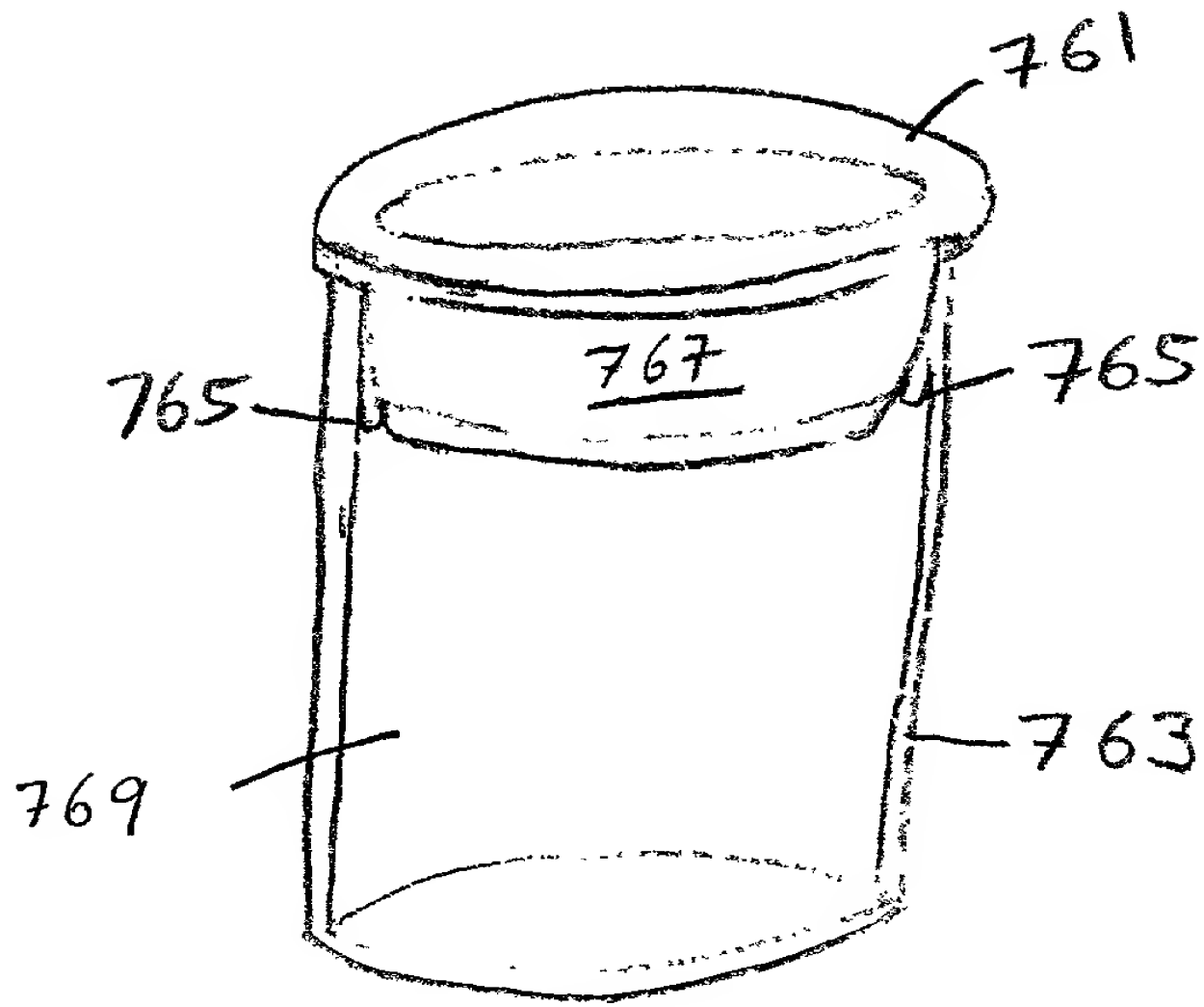
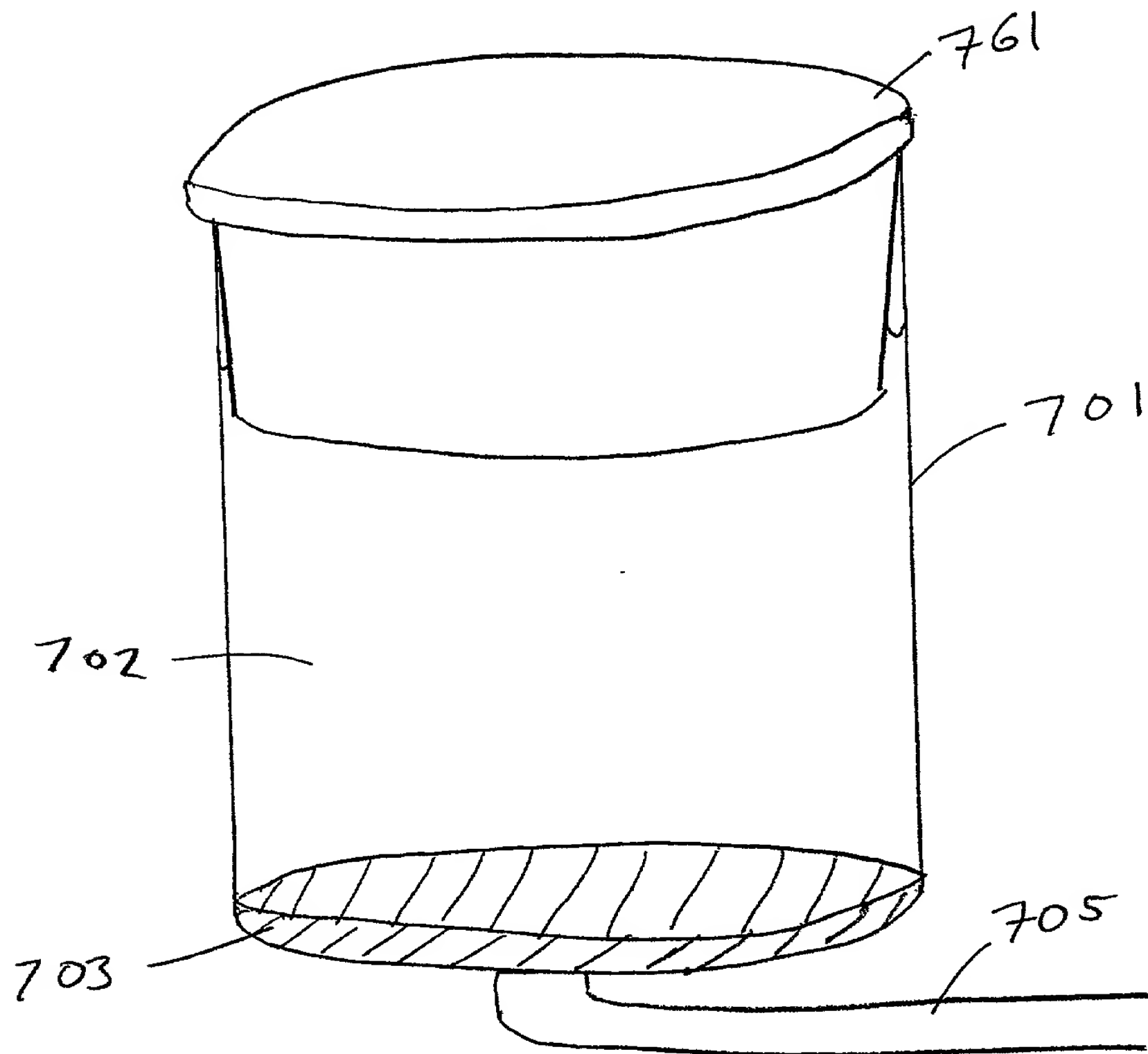


Figure 7A

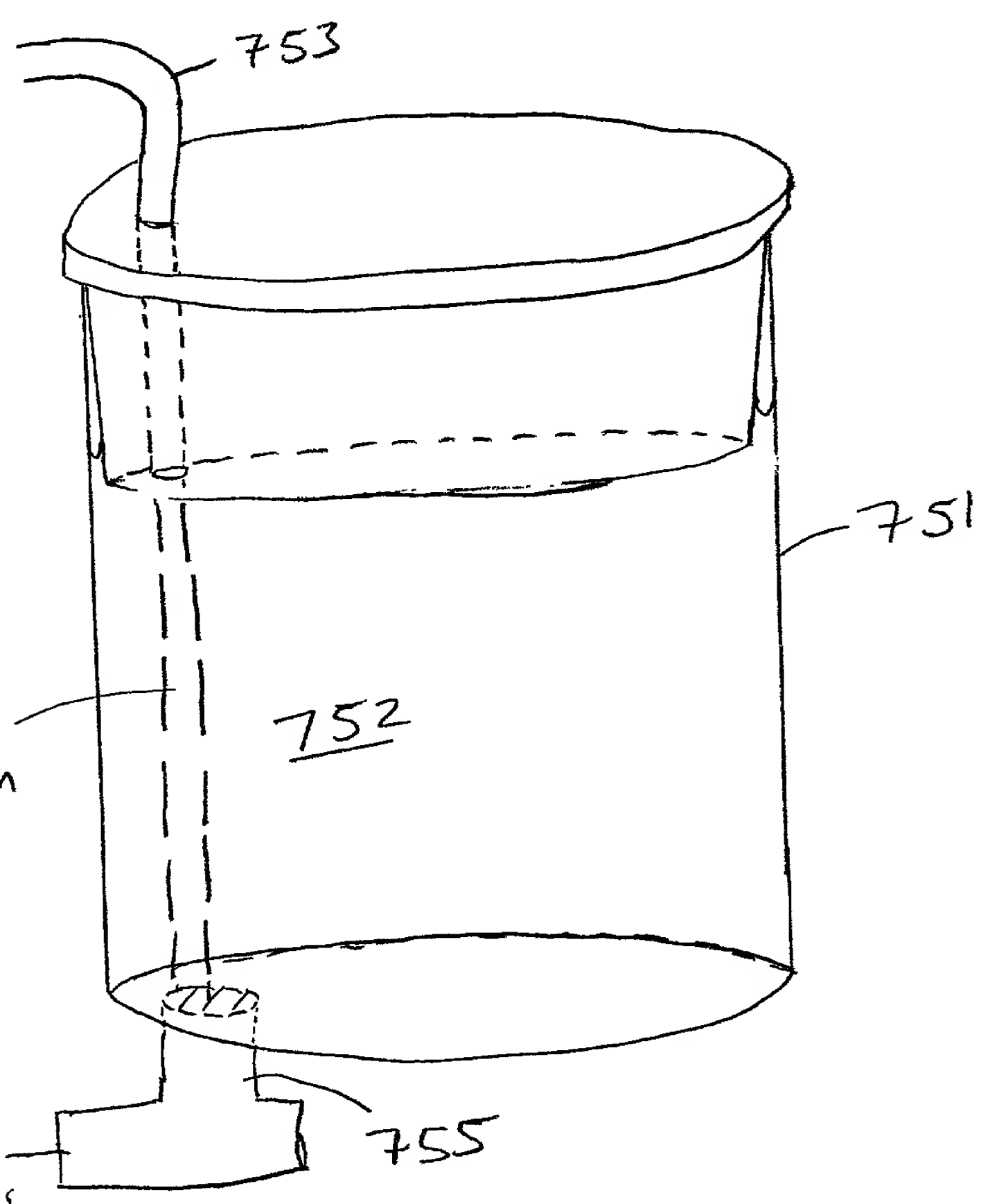


To Detection Electronics

FIG. 7B

FIG. 7B is a schematic diagram of a cylindrical device 701.

From Light Source



To Detection Electronics

FIG. 7C

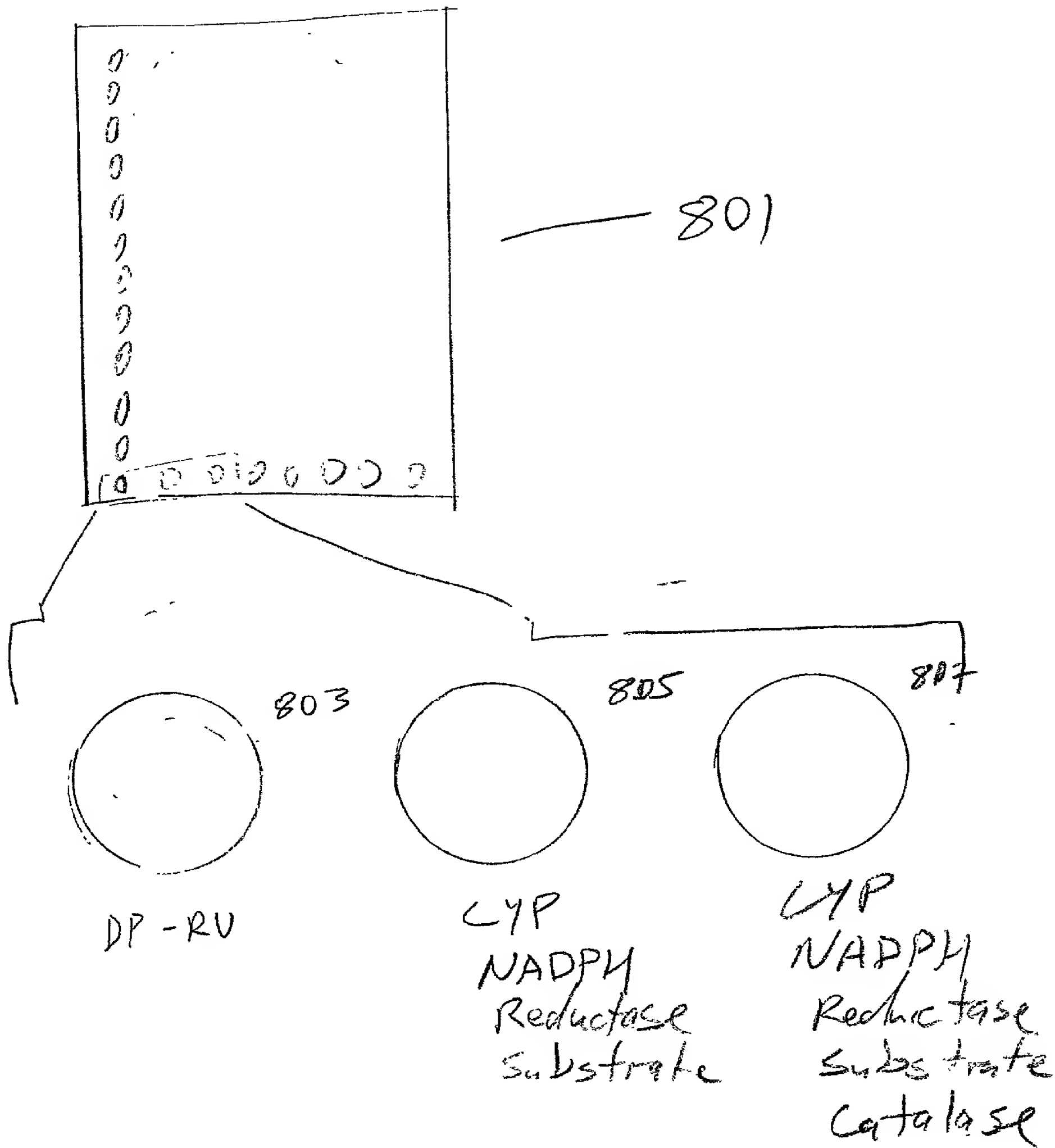


FIG. 8

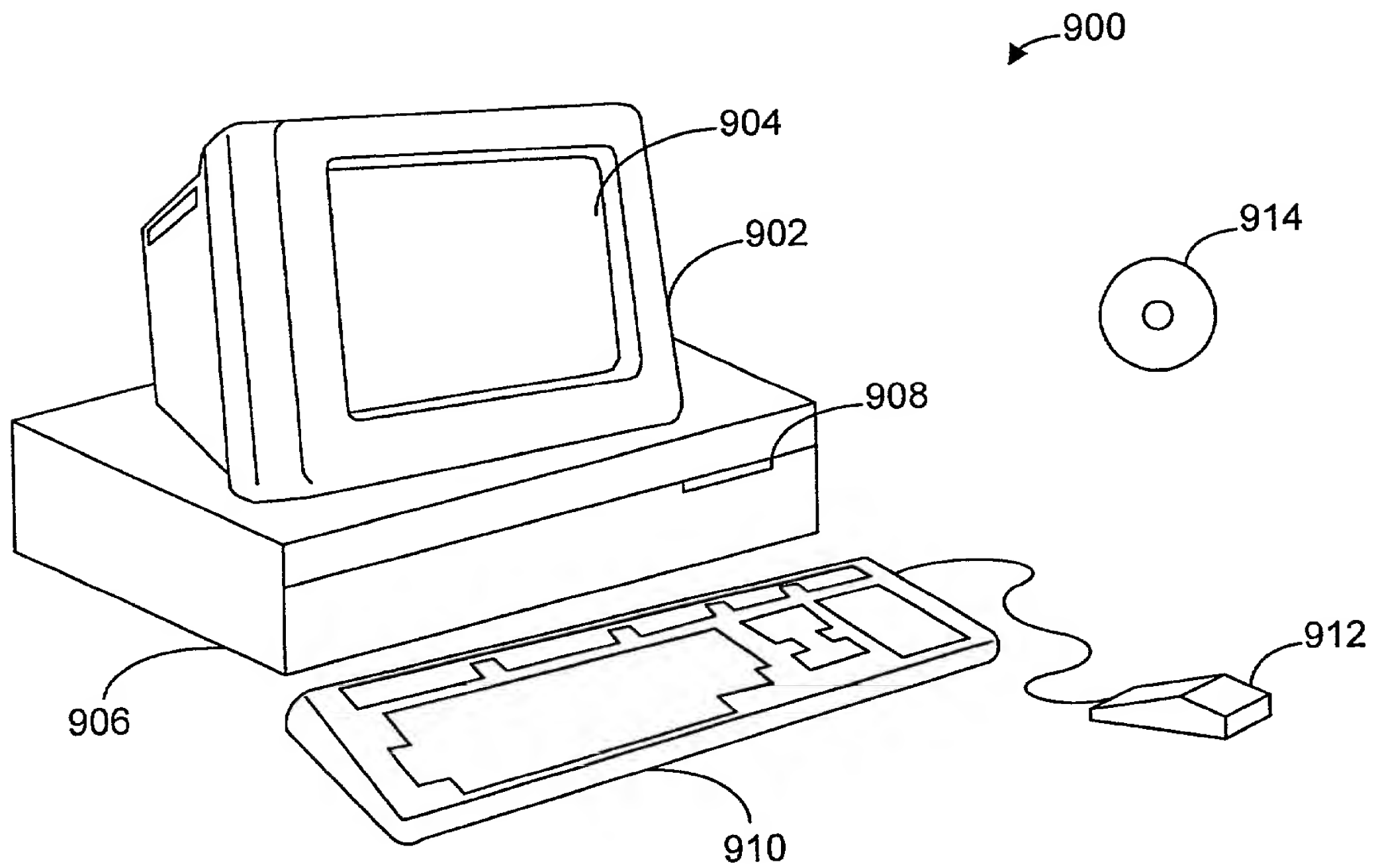


Figure 9A

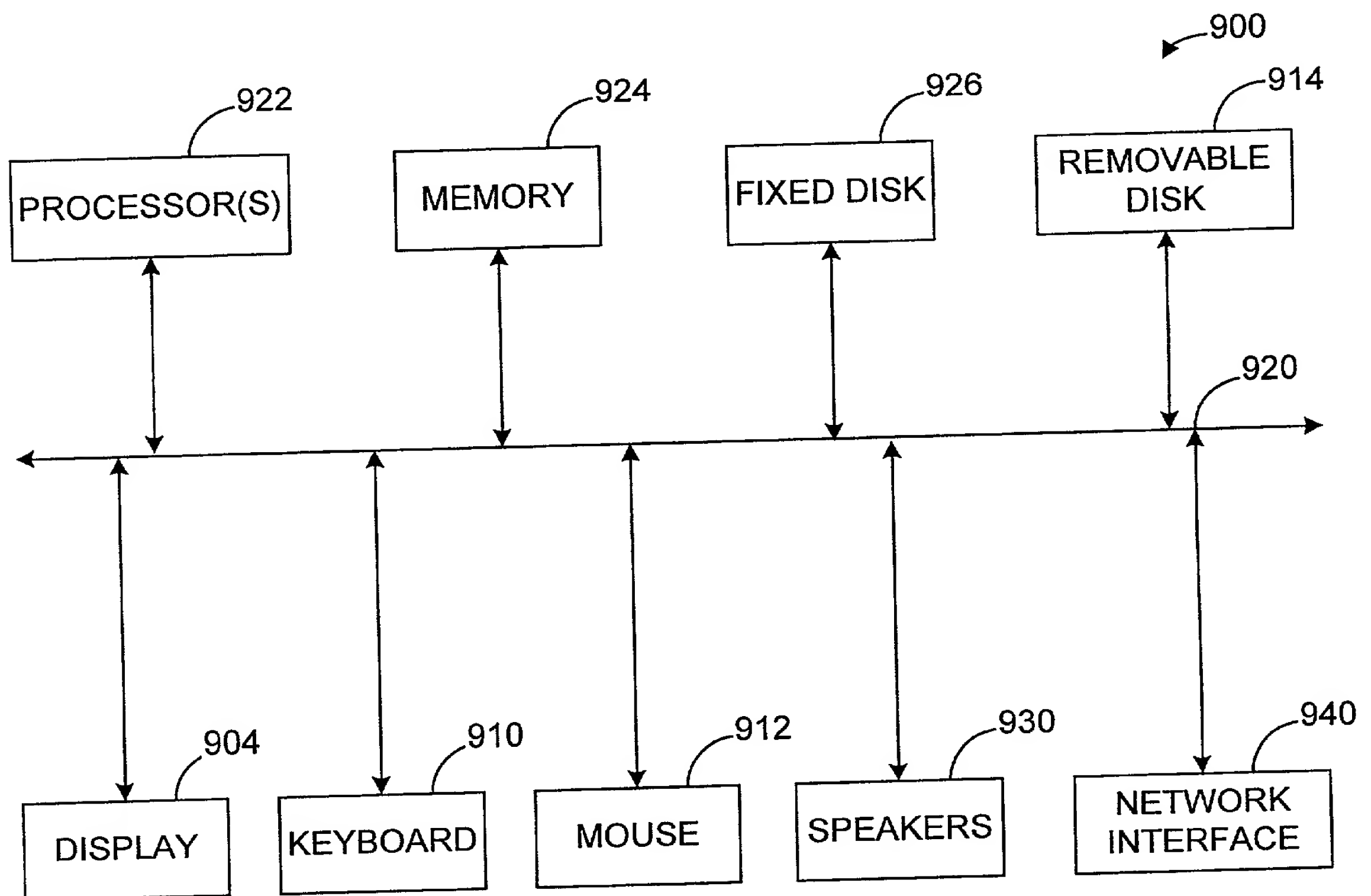


Figure 9B

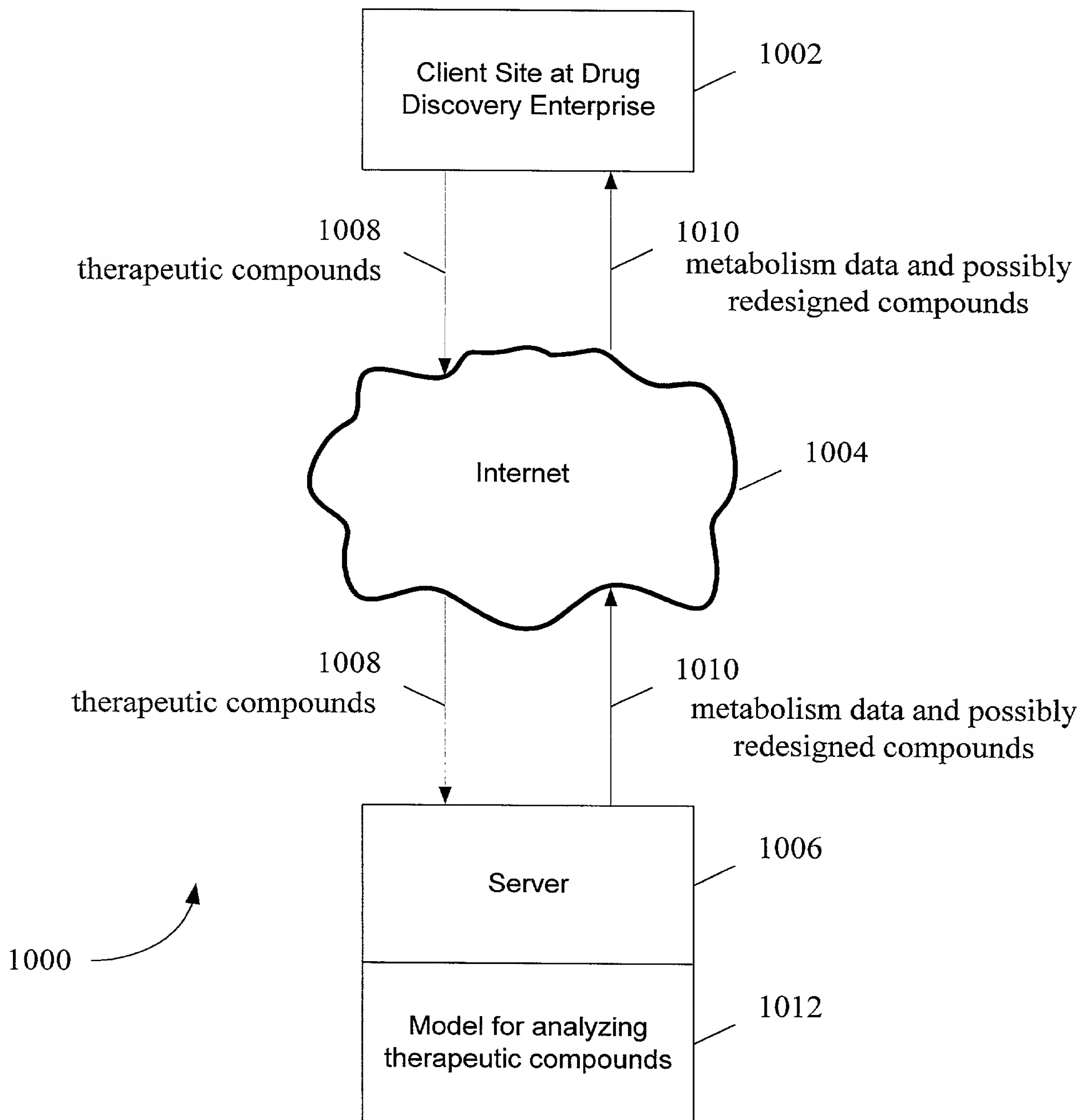


FIGURE 10